FORM D

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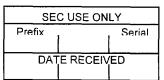
UNITED STATES

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM D

NOTICE OF SALE OF SECURITIES
PURSUANT TO REGULATION D,
SECTION 4(6), AND/OR
UNIFORM LIMITED OFFERING EXEMPTION

OMB APPROVAL									
OMB Number:	3235-0076								
Expires:	May 31, 2002								
Estimated average burden									
hours per respons	onse 16.00								



Name of Offering (☐ check if this	s is an amendment and name has changed, and	indicate change.)
Series B Preferred Stock Offe	ring	
Filing Under (Check box(es) that a	pply): □ Rule 504 □ Rule 505 ☒ Rule 50	06 ☐ Section 4(6) ☐ ULOE
Type of Filing: ⊠ New Filing	☐ Amendment	and a comment
	A. BASIC IDENTIFICATION I	DATA 75 2003
1. Enter the information requested a	about the issuer	A. Carrier and A. Car
Name of Issuer (☐ check if this is	an amendment and name has changed, and inc	dicate change.)
Sionex Corporation		
Address of Executive Offices		ode) Telephone Number (Including Area Code)
300 Second Avenue, Waltham	, MA 02451	781-693-3300
Address of Principal Business Oper (if different from Executive Offices		ode) Telephone Number (Including Area Code) Same as above.
Brief Description of Business Develop spectrometers for ch chemicals.	emical analysis applications which ider	ntify, quantify, and measure the presence of
Type of Business Organization		
oxtimes corporation	☐ limited partnership, already formed	PROCESSE
☐ business trust	☐ limited partnership, to be formed	other (please specify): DEC 01200
	Month Yea	UEC O I ZOO
Actual or Estimated Date of Incorp	oration or Organization:	THOMSON Actual Estimated FINANCIAL
	oration of Organization. ganization: (Enter two-letter U.S. Postal Service	e abbreviation for State:
Julisaiction of incorporation of Oig	CN for Canada; FN for other foreig	11111 - 1

GENERAL INSTRUCTIONS

Federal:

Who Must File: All issuers making an offering of securities in reliance on an exemption under Regulation D or Section 4(6), 17 CFR 230.501 et seq. or 15 U.S.C. 77d(6).

When To File: A notice must be filed no later than 15 days after the first sale of securities in the offering. A notice is deemed filed with the U.S. Securities and Exchange Commission (SEC) on the earlier of the date it is received by the SEC at the address given below or, if received at that address after the date on which it is due, on the date it was mailed by United States registered or certified mail to that address.

Where To File: U.S. Securities and Exchange Commission, 450 Fifth Street, N.W., Washington, D.C. 20549.

Copies Required: Five (5) copies of this notice must be filed with the SEC, one of which must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

Information Required: A new filing must contain all information requested. Amendments need only report the name of the issuer and offering, any changes thereto, the information requested in Part C, and any material changes from the information previously supplied in Parts A and B. Part E and the Appendix need not be filed with the SEC.

Filing Fee: There is no federal filing fee.

State:

This notice shall be used to indicate reliance on the Uniform Limited Offering Exemption (ULOE) for sales of securities in those states that have adopted ULOE and that have adopted this form. Issuers relying on ULOE must file a separate notice with the Securities Administrator in each state where sales are to be, or have been made. If a state requires the payment of a fee as a precondition to the claim for the exemption, a fee in the proper amount shall accompany this form. This notice shall be filed in the appropriate states in accordance with state law. The Appendix to the notice constitutes a part of this notice and must be completed.

ATTENTION

Failure to file notice in the appropriate states will not result in a loss of the federal exemption. Conversely, failure to file the appropriate federal notice will not result in a loss of an available state exemption unless such exemption is predicated on the filing of a federal notice.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1972 (7-00) 1 of 8



Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer; Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and Each general and managing partner of partnership issuers. ■ Beneficial Owner Check Box(es) that Apply: Promoter ☑ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) Kaufman, Lawrence A. Business or Residence Address (Number and Street, City, State, Zip Code) Sionex Corporation, 300 Second Avenue, Waltham, MA 02451 Check Box(es) that Apply: Promoter ☐ Beneficial Owner ☐ Executive Officer □ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) Miller, Raanan A. Business or Residence Address (Number and Street, City. State, Zip Code) Sionex Corporation, 300 Second Avenue, Waltham, MA 02451 ☐ Beneficial Owner ☐ Executive Officer Check Box(es) that Apply: Promoter ☐ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) Pallone, Basil G. Business or Residence Address (Number and Street, City, State, Zip Code) Sionex Corporation, 300 Second Avenue, Waltham, MA 02451 Check Box(es) that Apply: Promoter ☐ Beneficial Owner ☐ Executive Officer □ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) Ruch, Joshua Business or Residence Address (Number and Street, City, State, Zip Code) Rho Capital Partners, Inc., 152 West 57th Street, New York, New York 10019 ☐ Beneficial Owner ☐ Executive Officer □ Director Check Box(es) that Apply: ☐ Promoter ☐ General and/or Managing Partner Full Name (Last name first, if individual) Grammer, Jeffrey H. Business or Residence Address (Number and Street, City, State, Zip Code) c/o Ember Corporation, 313 Congress Street, Boston, MA 02210 ☐ Executive Officer Check Box(es) that Apply: Promoter □ Director ☐ General and/or ☐ Beneficial Owner Managing Partner Full Name (Last name first, if individual) Levine, Paul H. Business or Residence Address (Number and Street, City, State, Zip Code) Morgenthaler Partners VII, L.P., 22 Clarke Street, Lexington, MA 02421 ☐ Beneficial Owner ☐ Executive Officer ☐ General and/or Check Box(es) that Apply: ☐ Promoter □ Director Managing Partner Full Name (Last name first, if individual) Hanover, Alain Business or Residence Address (Number and Street, City, State, Zip Code) Navigator Technology Ventures, 4 Cambridge Center, 2nd Floor, Cambridge, MA 02142 (Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

<u>BASIC IDENTIFICATION DATA</u>

Each promoter of the issuer, if the issuer has been organized within the past five years;

2. Enter the information requested for the following:

Each promoter of the issuer, if the issuer has been organized within the past five years; Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer; Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and • Each general and managing partner of partnership issuers. Check Box(es) that Apply: ☐ Promoter ☑ Beneficial Owner ☐ Executive Officer ☐ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) Rho Ventures IV GmbH & Co. Beteilgungs KG Business or Residence Address (Number and Street, City, State, Zip Code) Rho Capital Partners, Inc., 152 West 57th Street, New York, New York 10019 Check Box(es) that Apply: Promoter ☐ Executive Officer ☐ Beneficial Owner ☐ Director □ General and/or Managing Partner Full Name (Last name first, if individual) Rho Ventures IV (QP), L.P. Business or Residence Address (Number and Street, City, State, Zip Code) Rho Capital Partners, Inc., 152 West 57th Street, New York, New York 10019 Check Box(es) that Apply: ☐ Promoter ☐ Beneficial Owner ☐ Executive Officer ☐ General and/or Managing Partner Full Name (Last name first, if individual) Rho Management Trust I Business or Residence Address (Number and Street, City, State, Zip Code) Rho Capital Partners, Inc., 152 West 57th Street, New York, New York 10019 Check Box(es) that Apply: ☐ Promoter ■ Beneficial Owner ☐ Executive Officer ☐ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) Rho Ventures IV, L.P. Business or Residence Address (Number and Street, City, State, Zip Code) Rho Capital Partners, Inc., 152 West 57th Street, New York, New York 10019 ☑ Beneficial Owner ☐ Executive Officer Check Box(es) that Apply: ☐ Promoter □ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) TechFarm Ventures (Q), L.P. Business or Residence Address (Number and Street, City, State, Zip Code) TechFarm Ventures, 200 West Evelyn Avenue, Suite 100, Mountain View, CA 94041 Check Box(es) that Apply: ☐ Executive Officer ☐ Promoter Beneficial Owner ☐ General and/or Director Managing Partner Full Name (Last name first, if individual) TechFarm Ventures, L.P. Business or Residence Address (Number and Street, City, State, Zip Code) TechFarm Ventures, 200 West Evelyn Avenue, Suite 100, Mountain View, CA 94041 Check Box(es) that Apply: ☐ Promoter ☐ Beneficial Owner ☐ Executive Officer ☐ Director ☐ General and/or Managing Partner Full Name (Last name first, if individual) The Charles Stark Draper Laboratory, Inc. Business or Residence Address (Number and Street, City, State, Zip Code)

BASIC IDENTIFICATION DATA

3. Enter the information requested for the following:

(Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

555 Technology Square, Cambridge, MA 02139-3563

Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer; Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and Each general and managing partner of partnership issuers. ☐ Executive Officer ☐ General and/or ■ Beneficial Owner ☐ Director Check Box(es) that Apply: ☐ Promoter Managing Partner Full Name (Last name first, if individual) Navigator Technology Ventures, LLC Business or Residence Address (Number and Street, City, State, Zip Code) 4 Cambridge Center, 2nd Floor, Cambridge, MA 02142 ☐ Executive Officer Director ☐ General and/or Check Box(es) that Apply: Promoter ■ Beneficial Owner Managing Partner Full Name (Last name first, if individual) Morgenthaler Partners VII, L.P. Business or Residence Address (Number and Street, City, State, Zip Code) 22 Clarke Street, Lexington, MA 02421 ☐ Beneficial Owner ☐ Executive Officer ☐ General and/or ☐ Director Check Box(es) that Apply: ☐ Promoter Managing Partner Full Name (Last name first, if individual) Business or Residence Address (Number and Street, City, State, Zip Code) Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer ☐ General and/or ☐ Director Managing Partner Full Name (Last name first, if individual) Business or Residence Address (Number and Street, City, State, Zip Code) ☐ Beneficial Owner ☐ Executive Officer ☐ Director ☐ General and/or Check Box(es) that Apply: ☐ Promoter Managing Partner Full Name (Last name first, if individual) Business or Residence Address (Number and Street, City, State, Zip Code ☐ Executive Officer □ Director ☐ General and/or ☐ Beneficial Owner Check Box(es) that Apply: ☐ Promoter Managing Partner Full Name (Last name first, if individual) Business or Residence Address (Number and Street, City, State, Zip Code) ☐ Beneficial Owner ☐ Executive Officer ☐ Director ☐ General and/or Check Box(es) that Apply: ☐ Promoter Managing Partner Full Name (Last name first, if individual) Business or Residence Address (Number and Street, City, State, Zip Code) (Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

<u>BASIC IDENTIFICATION DATA</u>

Each promoter of the issuer, if the issuer has been organized within the past five years;

Enter the information requested for the following:

philippoint and				180	B. INF	ORMAT	ION ABO	OUT OFF	ERING			100		3100
1.	Has the	e issuer so	ld, or does	s the issue	r intend to	sell, to no	on-accredi	ted investo	ors in this	offering?		_	Yes :	No ⊠
			,				ix, Colum			_				الجيا
2.	What is	s the mini	mum inve			• •			_				\$ 626.0:	51.08
						•	•						Yes	
3.			g permit jo		-	_							_	
4.	sion or to be list list the	similar reasted is an a name of the	tion request muneration associated the broker of y set forth	for solicit person or or dealer.	ation of pu agent of a If more th	irchasers in broker of an five (5)	n connection dealer reg persons t	on with sal gistered w o be listed	es of secuith the SE	rities in the C and/or v	e offering. with a state	If a person or states	n 5,	
Full	Name (1	Last name	first, if in	dividual)						· <u>-</u> ·				
Busi	ness or	Residence	Address ((Number a	and Street,	City, Stat	e, Zip Coo	le)						
Nam	ne of Ass	sociated B	roker or D	Dealer	<u> </u>				<u> </u>					
State	es in Wh	ich Perso	n Listed H	as Solicite	ed or Inter	ıds to Soli	cit Purcha	sers						
(C			or check i		•					• • • • • • • • • • • • • • • • • • • •		•••••	☐ All S	
	[AL]	[AK]	[AZ]	[AR]	[CA]	[CO]	[CT]	[DE]	[DC]	[FL]	[GA]	[HI]	[ID]	
	[IL]	[IN]	[IA]	[KS]	[KY]	[LA]	[ME]	[MD]	[MA]	[MI]		[MS]	[MO]	
	[MT]	[NE]	[NV]	[NH]	[NJ]	[NM]	[NY]	[NC]	[ND]	[OH]	[OK]	[OR]	[PA]	
	[RI]	[SC]	[SD]	[TN]	[TX]	[UT]	[VT]	[VA]	[WA]	[WV]	[WI]	[WY]	[PR]	
Full	Name (Last name	first, if in	dividual)										
Busi	ness or	Residence	Address ((Number a	and Street,	City, Stat	e, Zip Coo	le)	· · · · · ·		****			
Nam	ne of Ass	sociated B	broker or I	Dealer										
			n Listed H or check i						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				□ All S	—— States
	[AL]	[AK]	[AZ]	[AR]	[CA]	[CO]	[CT]	[DE]	[DC]	[FL]	[GA]	[HI]	[ID]	
	[IL]	[IN]	[IA]	[KS]	[KY]	[LA]	[ME]	[MD]	[MA]	[MI]	[MN]	[MS]	[MO]	ı
	[MT]	[NE]	[NV]	[NH]	[NJ]	[NM]	[NY]	[NC]	[ND]	[OH]	[OK]	[OR]	[PA]	
	[RI]	[SC]	[SD]	[TN]	[TX]	[UT]	[VT]	[VA]	[WA]	[WV]	[WI]	[WY]	[PR]	
Fuli	Name (Last name	first, if in	dividual)				, a						
Busi	ness or	Residence	Address ((Number a	and Street,	City, Stat	e, Zip Coo	de)		· · · · · · · · · · · · · · · · · · ·				
Nam	ne of Ass	sociated B	roker or D	Dealer				<u></u>	 .					
			n Listed H or check i										□ All S	States
	[AL]	[AK]	[AZ]	[AR]	[CA]	[CO]	[CT]	[DE]	[DC]	[FL]	[GA]	[HI]	[ID]	
	[IL]	[IN]	[IA]	[KS]	[KY]	[LA]	[ME]	[MD]	[MA]	[MI]	[MN]	[MS]	[MO]	
	[MT]	[NE]	[NV]	[NH]	[NJ]	[NM]	[NY]	[NC]	[ND]	[OH]	[OK]	[OR]	[PA]	
	[RI]	[SC]	[SD]	[TN]	[TX]	[UT]	[VT]	[VA]	[WA]	[WV]	[WI]	[WY]	[PR]	

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS Enter the aggregate offering price of securities included in this offering and the total amount already sold. Enter "0" if answer is "none" or "zero." If the transaction is an exchange offering, check this box \(\square\) and indicate in the columns below the amounts of the securities offered for exchange and already exchanged. Aggregate Amount Already Type of Security Offering Price Sold Debt N/AN/A Equity \$ 14,000,000 ☐ Common ☐ Preferred Convertible Securities (including warrants) ____).....\$_ Other (Specify_ Total \$ 14,000,000 Answer also in Appendix, Column 3, if filing under ULOE. 2. Enter the number of accredited and non-accredited investors who have purchased securities in this offering and the aggregate dollar amounts of their purchases. For offerings under Rule 504, indicate the number of persons who have purchased securities and the aggregate dollar amount of their purchases on the total lines. Enter "0" if answer is "none" or "zero." Number Investors

\$ 12 799 997 94 N/A N/A \$ 12,799,997,94 Aggregate Dollar Amount of Purchases 6 Accredited Investors \$ 12,799 997 94 N/A N/A N/A N/A Answer also in Appendix, Column 4, if filing under ULOE. If this filing is for an offering under Rule 504 or 505, enter the information requested for all securi-3. ties sold by the issuer, to date, in offerings of the types indicated, in the twelve (12) months prior to the first sale of securities in this offering. Classify securities by type listed in Part C - Question 1. Type of Dollar Amount Type of offering Security Sold Rule 505 N/A N/A Regulation A N/A N/A Rule 504 N/A N/A Furnish a statement of all expenses in connection with the issuance and distribution of the 4. securities in this offering. Exclude amounts relating solely to organization expenses of the issuer. The information may be given as subject to future contingencies. If the amount of an expenditure is not known, furnish an estimate and check the box to the left of the estimate. Transfer Agent's Fees \$ N/A Printing and Engraving Costs..... \$ N/A Legal Fees \$ 50,000 Accounting Fees..... \$ N/A Engineering Fees \$ N/A Sales Commissions (specify finders' fees separately)..... \$ N/A ____ Other Expenses (identify) Filing fees \$ 750 Total \$ 50,750

	C. OFFERING PRICE, NUMBE	R OF INVESTORS, EXPENSES AND	USE OF	PROCEE	DS	William
	b. Enter the difference between the aggregate of tion 1 and total expenses furnished in response "adjusted gross proceeds to the issuer."	to Part C - Question 4.a. This difference is	the		\$ <u>1</u> 2	3,949,250
5.	Indicate below the amount of the adjusted gross used for each of the purposes shown. If the amestimate and check the box to the left of the estimate the state of	ount for any purpose is not known, furnis nate. The total of the payments listed must e	h an qual			
	the adjusted gross proceeds to the issuer set fort	in in response to Part C - Question 4.6 abo	Pa (Di	nyments to Officers, irectors, & Affiliates	P	ayments To Others
	Salaries and fees		⊠\$	N/A	⊠\$	N/A_
	Purchase of real estate		⊠\$	N/A	⊠\$	N/A
	Purchase, rental or leasing and iunstallation	on of machinery and equipment	⊠\$	N/A	⊠\$	N/A
	Construction or leasing of plant buildings	and facitlities	⊠\$	N/A	⊠\$	N/A
	Acquisition of other businesses (including offering that may be used in exchange for	the assets or securities of another				
	issuer pursuant to a merger)		⊠\$	N/A	⊠\$	N/A
	Repayment of indebtedness		⊠\$	N/A	⊠\$	N/A
	Working capital		⊠\$	N/A	⊠ \$_13	3,949,250
	Other (specify):		⊠\$	N/A	⊠\$	N/A
			⊠\$	N/A	⊠\$	N/A
	Column Totals		⊠\$	N/A	⊠ \$_13	3,949,250
	Total Payments Listed (column totals add	ed)		⊠ \$ 13	,949,250	_
in the). FEDERAL SIGNATURE				
foll	issuer has duly caused this notice to be signed by owing signature constitutes an undertaking by the st of its staff, the information furnished by the iss	when the undersigned duly authorized person. issuer to furnish to the U.S. Securities and	Exchang	e Commissi	on, upor	written re-
_	er (Print or Type)	Signature		Date		
	nex Corporation	Rapus			mber 19	, 2003
	ne of Signer (Print or Type)	Title of Signer (Print or Type)				<u></u>
Bas	il G. Pallone	Chief Financial Officer and Treasurer				

—— ATTENTION—

Intentional misstatements or omissions of fact constitute federal criminal violations. (See 18 U.S.C. 1001.)

E. STATE SIGNATURE

- 2. The undersigned issuer hereby undertakes to furnish to any state administrator of any state in which this notice is filed, a notice on Form D (17 CFR 239.500) at such times as required by state law.
- 3. The undersigned issuer hereby undertakes to furnish to the state administrators, upon written request, information furnished by the issuer to offerees.
- 4. The undersigned issuer represents that the issuer is familiar with the conditions that must be satisfied to be entitled to the Uniform Limited Offering Exemption (ULOE) of the state in which this notice is filed and understands that the issuer claiming the availability of this exemption has the burden of establishing that these conditions have been satisfied.

The issuer has read this notification and knows the contents to be true and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.

Issuer (Print or Type)	Signature	Date
Sionex Corporation	/ sand in	November /9, 2003
Name (Print or Type)	Title (Print or Type)	
Basil G. Pallone	Chief Financial Officer and Treasurer	

Instruction:

Print the name and title of the signing representative under his signature for the state portion of this form. One copy of every notice on Form D must be manually signed. Any copies not manually signed must be photocopies of the manually signed copy or bear typed or printed signatures.

APPENDIX

1		2	3			4			5		
	to non-a	I to sell ccredited s in State I-Item1)	Type of security and aggregate offering price offered in State (Part C-Item1)		Type of investor and amount purchased in State (Part C-Item 2)				Disqualification under State ULOE (if yes, attach explanation of waiver granted) (Part E-Item 1)		
State	Yes	No	Series B Preferred Stock	Number of Accredited Investors	Amount_	Number of Non-Accredited Investors	Amount	Yes	No		
AL_											
AK				j							
AZ_											
AR											
CA											
со							·				
СТ				-			·				
DE											
DC											
FL											
GA_											
HI											
ID											
IL											
IN							·				
IA											
KS											
KY											
LA							· · · · · · · · · · · · · · · · · · ·				
ME								-			
MD											
MA		X	\$14,000,000	2	\$7,799,999	0	\$0		X		
MI											
MN											
MS											
МО											

APPENDIX

1		2	3	!		4			5
	to non-a	to sell ccredited s in State -Item1)	Type of security and aggregate offering price offered in State (Part C-Item1)		Type of investor and amount purchased in State (Part C-Item 2)				
			Series B	Number of Accredited	Number of Accredited Number of Non-Accredited				
State	Yes	No	Preferred Stock	Investors	Amount	Investors	Amount	Yes	No
MT									
NE									
NV									
NH									
NJ									
NM									
NY		X	\$14,000,000	4	\$4,999,998.94	0	\$0		X
NC									
ND									
ОН									
OK									
OR									
PA									
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SC							·		
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